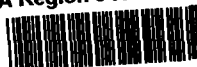


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EPA Region 5 Records Ctr.



226781

**FACSIMILE TRANSMISSION****Date:** September 16, 2003

To: Verneta Simon/Fred Micke	USEPA	Fax #: 312-353-9176
Kara Hughes	Lakeshore East, LLC	Fax #: 312-642-2773
Sean Bezark	Alzheimer & Gray	Fax #: 312-715-4800
Barbara Magel	Karaganis, White & Magel Ltd.	Fax #: 312-836-9083
Mark Krippel	Kerr-McGee Chemical LLC	Fax #: 630-231-3990

Pages being transmitted, Incl. Cover: 4**CC:** **Fax No.:****From:** Steve Komder **Phone:** 847-279-2500**Re:** Lakeshore East, 221 N. Columbus Dr., Chicago, IL

☐ Urgent ☐ For Signature ☐ For Review ☐ Please Comment/Reply ☐ As Requested ☐ Original to Follow

Message:

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September 16, 2003

Mr. Fred Micke, On-Scene Coordinator
U.S. Environmental Protection Agency, Region 5
77 West Jackson Blvd., SE-5J
Chicago, Illinois 60604

RE: Survey of Wick Drain Spoil Soils for Radiological-Impact, Lakeshore East Site, 221 North Columbus Drive, Chicago, Illinois – STS Project No. 1-32193-XC

Dear Mr. Micke:

This letter is to advise the USEPA of the ongoing radiological surveying activities at the Lakeshore East site and indicate our understanding, per our phone conversation of August 5, 2003. The installation of wick drains in the southern slip utilized a 30-foot boring and resulted in the generation of a small amount of surface spoil material that is estimated to be less than 1 cubic foot per wick drain. During the installation of wick drains in the southern slip on July 28, 2003 field survey personnel (S. A. Huber) observed a gamma reading of 27,000 counts per minute (cpm) at one of the wick drains. This observed reading was slightly above cutoff the value of 20,352 cpm. The spoil material was observed to contain ash and brick fragments. As discussed with the USEPA, it is unclear whether the slightly elevated readings were attributable to the presence of the brick material.

The attached section of the wick drain installation plan indicates the position of the drain as 174 ft. west of the property line along Harbor Drive and 109 ft. north of the property line for 400 East Randolph. The wick drain area containing the soil/spoil material with the elevated gamma readings was placed in a plastic bag. The ground surface area was then surveyed and determined to be consistent with background gamma levels. The bagged material was stored in a secure area onsite and will be disposed with other radiologically-impacted material from the site. Spoil material generated at the surrounding series of drains installed about 5 feet away exhibited no evidence of elevated gamma readings. Thus, the impacted material with elevated readings appeared to be isolated. Additionally, no elevated gamma readings were observed in the spoil of the other wick drains (>1400) installed within the southern slip.

The wick drain is located within the proposed park drive right-of-way. The current elevation of the surface at the drain is approximately 7 ft. CCD. However, the final elevation for the roadway is proposed to be 23.9 ft. CCD. Thus, the existing surface will be covered with about 17 feet of fill soil, which will essentially preclude the potential for future exposure. A call was placed to Mr. Fred Micke (USEPA) to discuss the investigation of the wick-drain on August 5, 2003. In the call the USEPA and STS agreed that additional investigation/removal activities were not warranted given the absence of elevated readings at the surface, the planned placement of additional fill soils, the short distance to the watertable, the isolated nature of the impacted material (based on the survey of surrounding spoil piles) and difficulties in conducting excavation activities within the newly stalled wick drain field. However, at USEPA's request, a notice will be included within the deed on which the potentially impacted soil will remain.

Please feel free to contact us if you have any questions or need additional information.

Regards,

STS CONSULTANTS, LTD.


Steven C. Komder, Ph.D.
Senior Project Geochemist


Douglas D. Hermann, P.E.
Principal Engineer

cc: Kara Hughes, Lakeshore East Development, LLC

Attachment

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ATTACHMENT A

Portion of Wick Drain Plan Drawing

